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All screen images in the manual are simulated.

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GSM

Panasonic

Operating Instructions
Digital Cellular Phone

A100

EB-A100
Mobile Phone

Before operating this equipment please read these instructions completely.
Charge battery before operation.

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Introduction

Thank you for purchasing this Panasonic digital cellular phone. This phone is designed to operate on GSM networks – GSM900, GSM1800 and GSM1900. Please ensure the battery is fully charged before use.

Safety Considerations

The following information should be read and understood as it provides details, which will enable you to operate your phone in a manner which is both safe to you and your environment, and conforms to legal requirements regarding the use of cellular phones.

Power

This equipment should only be charged with approved charging equipment to ensure optimum performance and avoid damage to your phone. Other usage will invalidate any approval given to this apparatus and may be dangerous. Ensure the voltage rating of the Travel Charger is compatible with the area of use when travelling abroad.
A Travel Charger EB-CAD55xx* is supplied with the Main Kit.
NOTE* xx identifies the charger region, e.g. CN, EU, UK, AU, US.

Battery

Use of another battery pack than that recommended by the manufacturer may result in a safety hazard. If you use a feature which keeps the key backlight on continuously for a long time, battery life will become extremely short. To maintain longer battery life, set the key backlight to off.

Aircraft

Switch off your cellular phone when in an aircraft. The use of cellular phones in an aircraft may be dangerous to the operation of the aircraft, disrupt the cellular network and may be illegal. Failure to observe this instruction may lead to the suspension or denial of cellular phone services to the offender, or legal action or both.

Disposing of the Battery

Do not incinerate or dispose of the battery as ordinary rubbish. The battery must be disposed of in accordance with local regulations and may be recycled.

Do Not Use

It is advised not to use the equipment at a refuelling point. Users are reminded to observe restrictions on the use of radio equipment in fuel depots, chemical plants or where blasting operations are in progress. Never expose the battery to extreme temperatures (in excess of 60°C).

Driving

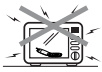
It is imperative that the driver exercises proper control of the vehicle at all times. Do not hold a phone while you are driving; find a safe place to stop first. Do not speak into a handsfree microphone if it will take your mind off the road. Always acquaint yourself thoroughly with restrictions concerning the use of cellular phones within the area where you are driving and observe them at all times.

Electronic Devices

Care must be taken when using the phone in close proximity to personal medical devices, such as pacemakers and hearing aids.

Efficient Use

For most efficient use hold the phone as you would any normal phone. To avoid deterioration of signal quality or antenna performance, do not touch or "cup" the antenna area while the phone is switched on. Unauthorised modifications or attachments may damage the phone and violate applicable regulations. The use of unapproved modification or attachment may result in the invalidation of your guarantee – this does not affect your statutory rights.



When your handset, the accompanying battery or charging accessories are wet, do not put those in any type of heating equipment, such as a microwave oven, a high pressure container, or a drier or similar. It may cause the battery, handset and/or charging equipment to leak, heat up, expand, explode and/or catch fire. Moreover, the product or accessories may emit smoke and their electrical circuits may become damaged and cause the products to malfunction. Panasonic is not responsible for any and all damages, whether direct or indirect, howsoever caused by any misuse.

This equipment should only be used with Panasonic approved accessories to ensure optimum performance and avoid damage to your phone. Panasonic is not responsible for damages caused by using non-Panasonic approved accessories.

This phone must be used in compliance with any applicable international or national law or any special restrictions governing its use in specified applications and environments. This includes but is not limited to use in hospitals, aircraft, whilst driving and any other restricted uses.

Backup Copies & Security

It is recommended that you create a copy or backup, as appropriate, for any important information and data which you store in your phone's memory. In order to avoid accidental loss of data, please follow all instructions relating to the care and maintenance of your phone and its battery. Panasonic accepts no liability for any and all losses

howsoever arising from any loss of data, including but not limited to direct and indirect losses (to include, but not limited to consequential loss, anticipated savings, loss of revenue).

Your phone has the capability of storing and communicating personal information. It is recommended that you take care to ensure that any personal or financial information is stored separately from your phone. You should use the security features, such as SIM Lock, provided in the handset as a measure of protection for information held. Panasonic accepts no liability for any and all losses howsoever arising from any loss of data, including but not limited to direct and indirect losses (to include, but not limited to consequential loss, anticipated savings, loss of revenue)
The display layouts and screenshots within this document are for illustrative purposes and may differ from the actual displays on your phone. Panasonic reserves the right to change the information in this document without prior notice.

This Panasonic mobile phone is designed, manufactured and tested to ensure that it complies with the specifications covering RF exposure guidelines applicable at the time of manufacture, in accordance with EU, USA FCC, and Australian ACA regulations.

Please refer to our website for latest information/standards and compliance in your country/region of use.
http://www.panasonicmobile.com

Care and Maintenance

Pressing any of the keys may produce a loud tone. Avoid holding the phone close to the ear while pressing the keys.

Extreme temperatures may have a temporary effect on the operation of your phone. This is normal and does not indicate a fault. The display quality may deteriorate if the phone is used in environments over 40°C for a long time.

Do not modify or disassemble the equipment. There are no user serviceable parts inside.

Do not subject the equipment to excessive vibration or shocks. Do not drop the battery.

Avoid contact with liquids. If the equipment becomes wet, immediately remove the battery and contact your dealer.

Do not leave the equipment in direct sunlight or a humid, dusty or hot area.
Never throw a battery into a fire. It may explode.

Keep metallic items that may accidentally touch the terminals away from the equipment/battery.
Batteries can cause property damage, injury, or burns if terminals are touched with a conductive material (i.e. metal jewellery, keys, etc.).

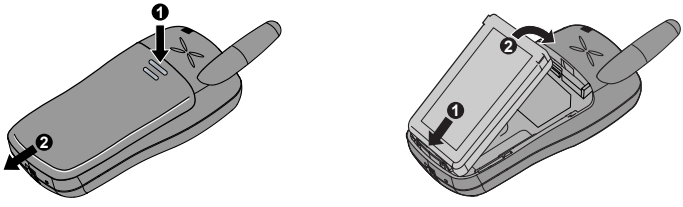
Always charge the battery in a well ventilated area, not in direct sunlight, between +5°C and +35°C. It is not possible to recharge the battery if it is outside this temperature range.

When disposing of any packing materials or old equipment, check with your local authorities for information on recycling.

Fitting and removing the battery

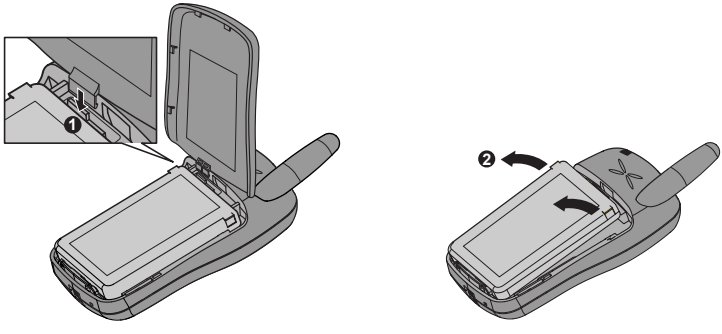
Before removing the battery, ensure that the phone is switched off and the charger is disconnected from the phone.

Fitting the battery



Remove the battery compartment cover. Insert the battery ensuring the 3 gold contacts align with the 3 gold pins in the phone.

Removing the battery

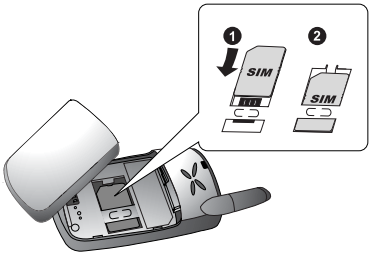


Push and hold the release latch ❶ towards the top of the phone using the cover clip, then lift the battery out ❷.

Fitting and removing the SIM

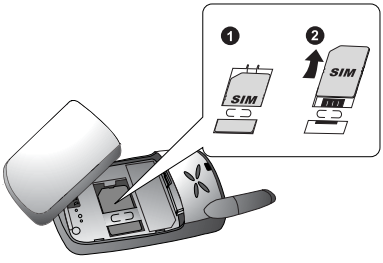
The SIM is located under the battery.

Fitting the SIM



Ensure the gold contacts are facing downwards before sliding the SIM into the SIM holder.

Removing the SIM



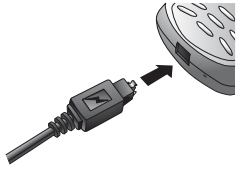
While holding the tab down, slide the SIM out.

Charging the battery

Connecting and disconnecting the Travel Charger

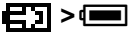
The battery must be fitted in the phone before the charger is connected. Insert the Charging Connector into the socket at the base of the phone before connecting the charger to the mains outlet. Once connected, the Battery level indicator will start scrolling (see "Battery level indicator" on page 9). It is recommended to charge the battery for a minimum of 4 hours before first use.

NOTE: DO NOT force the connector as this may damage the phone and/or the charger. If the battery has been deeply discharged, it may take several minutes before the Battery level indicator is displayed.



When charging is complete, disconnect the charger from the outlet before removing the plug from the phone.

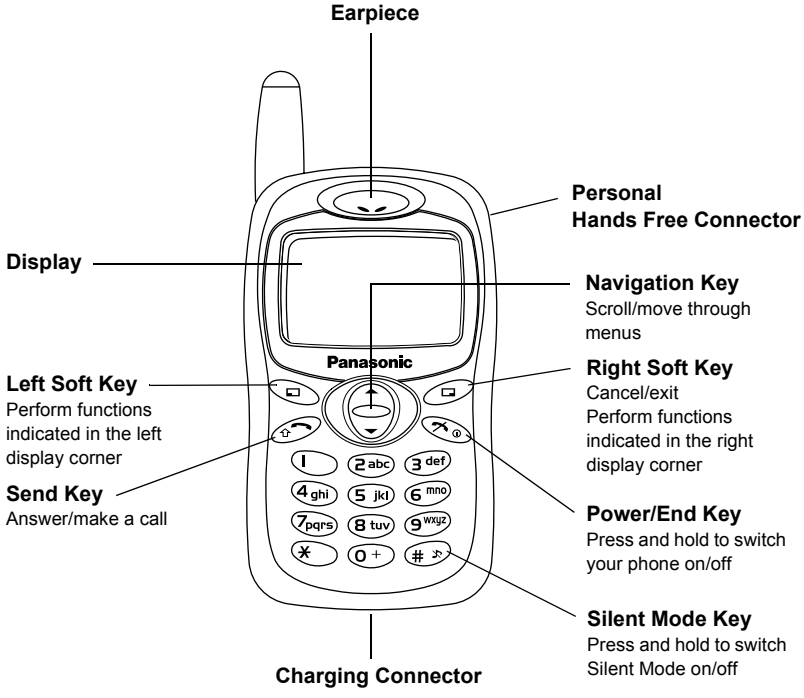
Battery level indicator

	While charging	Charging complete
Phone on		
Phone off		

Low battery power warning

When the battery power is low, a “Battery is Low” message will be displayed. If this occurs during conversation, finish your call immediately. The power will automatically switch off after the warning tone. Fully recharge the battery. See "Charging the battery" on page 8. (Calls can be made and received while the phone is charging.)

Your phone


Earpiece
Personal
Hands Free Connector
Display
Navigation Key
Scroll/move through
menus
Panasonic
Left Soft Key
Perform functions
indicated in the left
display corner
Right Soft Key
Cancel/exit
Perform functions
indicated in the right
display corner
Send Key
Answer/make a call
Power/End Key
Press and hold to switch
your phone on/off
Silent Mode Key
Press and hold to switch
Silent Mode on/off
Charging Connector

Key functions

Key	Function
	Navigation Key: Scroll or move through menus, text and phone numbers. In idle mode, press to display the "Contacts" menu.
	Left Soft Key: Perform the functions displayed in the lower left corner. In idle mode, press to activate the "Menu" display, or press and hold to activate the "Profiles" menu.
	Right Soft Key/Cancel or Exit Key: Perform the functions displayed in the lower right corner. Mainly used to cancel and return to the previous menu level. In text entry mode, press to delete text. In idle mode, press to activate the "Messages" menu. When receiving a call, press to mute the ringtone.
	Numeric Keys: Enter numbers. Press and hold one of the keys from 1 to 9wxyz for Hotkey dialling. Press and hold 0+ to enter a "+" (international access code) or "P" (extension number code). To dial an extension number, dial the phone number first, press and hold 0+ to add a "P", then enter the extension number. In text entry mode, enter text, numbers and characters.
	Send Key: Make a call or answer a call. In idle mode, press to check the last dialled list. In text entry mode, press to switch between input methods.
	Power/End Key: End/reject a call. During key operation, press to return to the previous display. Press and hold to return to idle mode. In idle mode, press and hold to switch phone on/off.
	Silent Mode Key: In idle mode, press and hold to switch the Silent Mode (Vibrator on/Ring off) on and off. In text entry mode, press to switch T9 smart English input mode on/off, or press and hold to enter symbols.

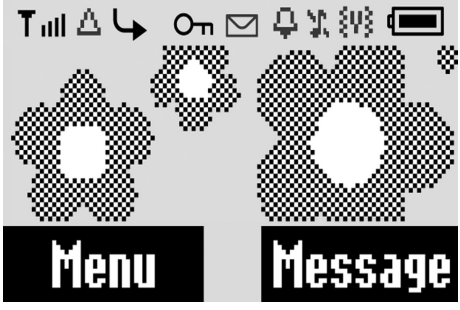
During a call

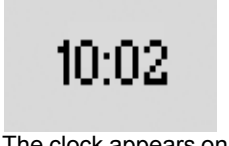
Minimal menu options are available during a call by pressing the following key options.

Key	Function
	Activate Hands free, Conference call, Call transfer, Contacts list, Messages menu, Call status.
	Swap between two calls. Put the call on hold.
	Increase the volume while on a call.
	Decrease the volume while on a call.
	Display the last dialled records list. Answer another call. If a phone number is entered, hold the active call and call the number.
	Send DTMF. Press and hold to switch the Hands free speaker on/off

Displays

Idle display





The clock appears on the display one minute after you press the last key.
The clock position changes every minute.

NOTE: All screen images in this manual are simulated.

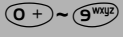
NOTE: Some services described in this manual are network dependent or may only be available on a subscription basis. Some functions are SIM dependent.
For more information, contact your service provider.

Status icons

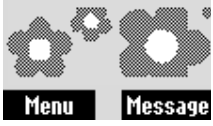
The status icons are displayed or animated according to the currently activated functions. The Antenna, Signal and Battery icons are displayed when the handset is switched on and connected to a network. If there is no connection with the network, the Signal icon will not be displayed.

Icon	Meaning
	Antenna and signal strength
	Registered to a non-home network – roaming
	Call Diverts is on
	Key Guard is enabled
	Message area is full
(Flashing)	Unread message is stored
	Voice mail indicator (voice mail has been received)
	Alarm is set
	All tones or ring volume is off
	Vibrator is on
 	Battery charge level Low battery

Symbols in the Manual

Symbols	Meaning
	Press the Navigation Key in the direction indicated by the arrow
	Press Left Soft Key
	Press Right Soft Key
	Press Numeric Keys
	Press Send Key
	Press Power/End Key
	Press Asterisk Key
	Press Silent Mode Key

Switching the phone on/off



1. Press and hold for 2 to 3 seconds
2. The phone starts in idle mode
3. Press and hold again to switch the power off

Making a call

Ensure that the signal strength meter shows network coverage is available in the current area.
➢ To make a call, start in idle mode.

Standard dialling

1. Enter the area code and phone number
➢ The dialled number is displayed
2. When the other party answers, talk into the Microphone

Earpiece Volume:
During a call, to adjust the earpiece volume

Using the contacts list

1. to enter **Contacts**
2. required name or phone number

Last number dialling

1.
2. required name or phone number

International dialling

The international access code (+) and the destination country/region code should be entered, followed by the area code and phone number.

1. Press and hold 0 + until "+" is displayed, then enter the country / region code
2. Enter the area code and phone number

NOTE: Many countries/regions include an initial "0" in the area code. This should, in most cases, be omitted when dialling international numbers. If you have difficulties making international calls, contact your service provider.

Emergency call

To make an emergency call, the antenna (⊺) must be present

When SIM is inserted:
Enter the emergency number 112

When SIM is not inserted:
Enter the emergency number 112

OR

(SOS) > "**Emergency call**" (Yes)

NOTE: Most countries support the international emergency number 112. If you find the number does not work on your phone, please call your service provider. Emergency calls without a SIM is country or network operator dependent.

Ending a call

To hang up,

➢ The duration of the call will be displayed.

➢ When the "Max cost" is on, the remaining units will be displayed.
For setting the "Max cost", see "Maximum cost:" on page 66.

Answering a call

OR

If "**Any key answer**" is on,
From idle mode
press any key except .
(See "Any key answer" on page 35.)

Volume:
From **My Phone**
1. **Sounds** >**Volume** (Select)
2. Adjust the volume level (OK)

Quick touch silent mode:
To quickly set the ringtone off ( ) and the vibrator on ( ), press and hold .
To resume, press and hold again.

One click mute on incoming call:
To set the ring tone off,
(Mute)
•If you want to reply to the call, (Reply)
•If you want to reject the call, (Reject).

Reject incoming call:

In-call operations

During a call, the following options are available by pressing (Menu) or (Hold)

Hands free/Hand held

You can switch the phone between hands free and hand held.

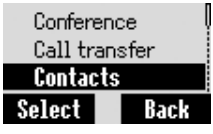
During a call:

1. (Menu)
2. **Hands free** / **Hand held** (Select)

Contacts

You can access your Contacts list that is stored in SIM in your phone.

During a call:



1. (Menu)
2. **Contacts** (Select)

Messages

You can create, check, or send a message while on a call. See "Messages Menu" on page 50.

During a call:

1. (Menu)
2. **Messages** (Select)

Hold

You can put a call on hold.

During a call:

(Hold)

To resume:

(Back)

NOTE: This function is network dependent.

Making a second call

During a call:

1. Enter the second phone number or select a phone number from the Contacts list (see "Contacts" on page 19).
2. The first call is put on hold

NOTE: This function is network dependent.

Incoming call while on a call

NOTE: Call waiting must be on – see "Call waiting" on page 63. This function is network dependent.

During a call, you may receive another call.

1. To answer another call, (First call is placed on hold.)
   To disconnect another call, (Reject)
2. During a conversation with a second caller, (Swap) or (Menu) and select one of the following options:

Conference

You can make a conference call with up to 5 parties

During a call:

1. (Menu)
2. **Conference** (Select)

NOTE: This function is network dependent.

Call transfer

Call transfer connects the active calling party to the other party on hold, then disconnects your line, leaving the two callers in the conversation.

During a call:

1. (Menu)
2. **Call transfer** (Select)

NOTE: This function is network dependent.

Call status

Call status allows you to disconnect the line or put a call on hold with the active party.

During a call:

1. (Menu)
2. **Call status** (Select)

Swap

When you are connected to two calls, you can switch to the other calls.

During a call:
(Swap) to change to the other call.

DTMF

DTMF can be sent during a conversation. These are often used to access voice mail, paging and computerised home banking. For example, you may need to enter a number to remotely access voice mail messages. A phone number may be stored in the Contacts together with a DTMF sequence, allowing the number to be dialled upon recall and the DTMF number to be sent automatically.

Send DTMF during a call:
Enter digits (0+~9wxyz, #, or *).

Pause dial

Using pauses allows you to send DTMF automatically.

1. Enter the phone number
2. Press and hold 0+ until a **"P"** is displayed at the end of the phone number entered
3. Enter DTMF digits after the pause, e.g. enter the number to access voice mail messages
4.

➢ When the call is connected the DTMF sequence will be sent after 3 seconds.

Text entry

You can use alphanumeric characters to enter details into the Contacts list, to create text, etc.

Key	Text mode				Numeric
	T9®(T9Abc, T9abc, T9ABC) (Input language: English)		Multi tap (Input mode indicator: Abc, abc or ABC)		(0 ~ 9)
0 +	Space 0. , ? ! + - = : ¿ ¡ ” ’ ; _				0
1	1 / ( ) < > [ ] { } % ~ € & (1 / ( ) < > [ ] { } % ~ € &)				1
2 abc	A B C 2 –	(a b c 2 –)	A B C 2 Ä	(a b c 2 ä à ç)	2
3 def	D E F 3 –	(d e f 3 –)	D E F 3 É	(d e f 3 é è)	3
4 ghi	G H I 4 –	(g h i 4 –)	G H I 4	(g h i 4 ì)	4
5 jkl	J K L 5 –	(j k l 5 –)	J K L 5	(j k l 5)	5
6 mno	M N O 6 –	(m n o 6 –)	M N O 6 Ö Ñ	(m n o 6 ö ñ ò)	6
7 pqrs	P Q R S 7 –	(p q r s 7 –)	P Q R S 7	(p q r s 7 ß)	7
8 tuv	T U V 8 –	(t u v 8 –)	T U V 8 Ü	(t u v 8 ü ù)	8
9 wxyz	W X Y Z 9 –	(w x y z 9 –)	W X Y Z 9 Æ Ø Å	(w x y z 9 æ ø å)	9
	Shift mode				
*	* Γ Δ Θ Λ Ξ Π Σ Φ Ψ Ω				*
#	(Hold) Space # £ $ ¥ ¤ @ \ § ^ | ↵				#
	Delete text / (Hold) Delete all characters				

NOTE: Displayed characters in the T9® mode vary depending on the selected input language. Use # to toggle T9® On/Off. If the combination of letters typed has produced a word which is not the one you require, press repeatedly until the correct word is displayed. Then continue to the next word. When “–” is reached, press to spell the word you require.

Shift mode change

In text entry mode, you can change mode by pressing and holding .

Multi tap	Tegic
Abc -> abc -> ABC -> 123	T9Abc -> T9abc -> T9ABC -> 123

Text Input mode change

In text entry mode, to switch T9® mode On/Off, press .

Auto capital change

Auto capital affects Abc and T9Abc.
When Input mode is changed to Abc or T9Abc, the first character is input as upper case and subsequent letters as lower case.
When one of the following characters [. (Period) or ! or ?] is input before a space, the next character is input as upper case.

T9® Text Input

Using this mode of text input dramatically reduces the required number of key presses.
Press a key once for any letter you require on that key. The desired letter may not be displayed. Continue pressing other keys until the end of a word is reached, then check that the word has been typed correctly before continuing on to the next word. If the combination of letters typed has produced a word which is not the one you require, press repeatedly until the correct word is displayed. Then continue to the next word.

Example of Text Input in T9® Mode
To type a new message, follow these steps:

1. At the beginning of a new message press and hold (Clear) to delete previous text, if necessary
2. Press to change letter case, if necessary
3. Press 2abc 2abc 5jkl 5jkl "Call" is displayed

Note that the displayed words change as you type. Always type to the end of the word before editing.
T9® Languages can be selected from T9 Input – see "T9 Input" on page 32.
If the word you require is not in the internal dictionary, then it should be entered using the Multi tap (ABC) mode.

Other text modes

Multi tap mode (Abc, abc or ABC):
Each time a key is pressed in quick succession, the next character available on that key is displayed. Releasing the key or pressing another key enters the character displayed. The cursor moves to the next position.

In T9 (Abc) or Multi tap (Abc) mode, the first entered letter in a sentence is in upper case.

Menu Display

NOTE: Menu display contents are dependent on your SIM.

The menu system provides the means for accessing the functions which do not have their own dedicated buttons on the keypad.

From idle mode

1. (Menu)
   The main menu display has 9 menu options
   (see "Menu Structure" on page 27).
2. required menu (Select)
   OR
   press a number next to a menu icon to access a menu option directly.

To go back to the Menu display,
or repeatedly until to the Menu display returns.

Menu Structure

The 9 main menus are as follows:

My Phone
- *Sounds*
- *Display*
- *Language*
- *Alerts*
- *Profiles*
- *Auto answer*
- *Any key answer*
- *Defaults*

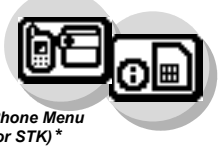
Games
- *Hit Mouse*
- *Memory*

Contacts
- *Browse*
- *Create*
- *Groups*
- *Memory status*
- *My Numbers*
- *Hotkey dial*
- *My Contacts*

Calendar

Key Guard

Messages
- *Create*
- *Inbox*
- *Outbox*
- *Archive*
- *User Messages*
- *Memory status*
- *Settings*
- *Cell Broadcast*



Phone Menu (or STK)*
- *Call Service*
- *Call Diverts*
- *Security*
- *Network*

Application
- *Clock*
- *Calculator*
- *Currency*
- *Melody composer (Phone Menu)**

Records
- *Last dialled*
- *Answered*
- *Unanswered*
- *Delete all*

***STK(SIM Tool Kit) is SIM dependent.**

My Phone Menu

My Phone

Sounds
- **Ringtones** 29
- **Volume** 29
- **Key tone** 29
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Display
- **Wallpaper** 30
- **Greeting** 30
- **Animation** 31
- **Contrast** 31
- **Backlight** 31

Language
- **T9 Input** 32
- **Display languages** 32

Alerts
- **Ring only** 32
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- **Vibrate only** 32
- **Ring once** 32

Profiles
- **Normal** 33
- **Quiet** 33
- **Outdoor** 33
- **Headset** 33

Auto answer 35

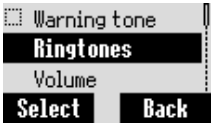
Any key answer 35

Defaults 35

Sounds

Ringtones

You can change the ringtones for specific events such as incoming calls, messages, or alarms. To customise the ringtone, select the event first, then modify the ringtone.



From **My Phone**

1. **Sounds** (Select)
2. **Ringtones** (Select)
3. **Any call**, **Group calls**, **Alarm** or **Messages** (Select)
4. required ringtone (OK)

Volume

From **My Phone**

1. **Sounds** (Select)
2. **Volume** (Select)
3. Adjust the volume level (OK)

Key tone

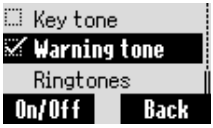
From **My Phone**

1. **Sounds** (Select)
2. **Key tone** (On/Off)

Warning tone

The warning tone informs you of low battery.

From **My Phone**



1. **Sounds** (Select)
2. **Warning tone** (On/Off)

Display

Wallpaper

You can change the wallpaper on the idle display. Idle mode can also change to the clock.

From **My Phone**

1. **Display** (Select)
2. **Wallpaper** (Select)
3. required wallpaper (Select)

Greeting

You can create a greeting message that is displayed each time the phone is switched on.

From **My Phone**

1. **Display** (Select)
2. **Greeting** (Edit)
3. Enter the greeting (OK)
4. (On/Off)

Animation

You can change the animation on the display when the phone is powered up.

From **My Phone**

1. **Display** (Select)
2. **Animation** (Select)
3. required animation (Select)

Contrast

You can adjust the contrast of the display.

From **My Phone**

1. **Display** (Select)
2. **Contrast** (Select)
3. Adjust the contrast (OK)

Backlight

You can select the backlight On/Off.

From **My Phone**

1. **Display** (Select)
2. **Backlight** (On/Off)

Language

T9 Input

When you create text, this function dramatically reduces the number of key presses.

From **My Phone**

1. **Language** (Select)
2. **T9 Input** (Select)
3. required input type (On/Off)

Display languages

It is possible to change the display language on your phone.

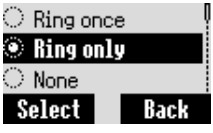
From **My Phone**

1. **Language** (Select)
2. **Display languages** (Select)
3. required language (Select)

Alerts

You can set your phone to ring and/or vibrate when you receive a call or messages.

From **My Phone**



1. **Alerts** (Select)
2. required alert (Select)

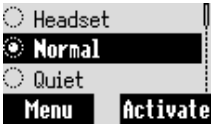
The following options are available when a call is received:

- **Ring only**
- **None**
- **Ring & Vibrate**
- **Vibrate only**
- **Ring once**

Profiles

Activating a profile

You can switch between four profiles in your phone, each with a distinct combination of alert method, ringtone, etc. Profiles are set up for use in different environments.



From **My Phone**

1. **Profiles** (Select)
2. required profile (Menu)
3. **Activate** (Select)

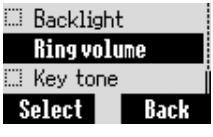
You can set up the following different profiles.

Normal	Suitable for everyday settings
Quiet	With a ringtone, appropriate for formal occasions
Outdoor	Suitable when in noisy environments
Headset	Appropriate with vibrator when it is difficult to hear the ringtone

Setting a profile

You can customise a profile by changing the ring volume, key tone, warning tone, vibrator, and/or backlight.

Ring volume:

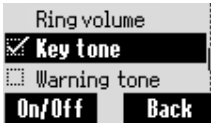


From **My Phone**

1. **Profiles** (Select)
2. required profile (Menu)
3. **Change settings** (Select)
4. **Ring volume** (Select)
5. Adjust the volume level (OK)

Key tone:

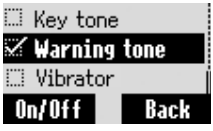
From **My Phone**



1. **Profiles** (Select)
2. required profile (Menu)
3. **Change settings** (Select)
4. **Key tone** (On/Off)

Warning tone:

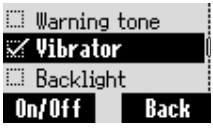
From **My Phone**



1. **Profiles** (Select)
2. required profile (Menu)
3. **Change settings** (Select)
4. **Warning tone** (On/Off)

Vibrator:

From **My Phone**



1. **Profiles** (Select)
2. required profile (Menu)
3. **Change settings** (Select)
4. **Vibrator** (On/Off)

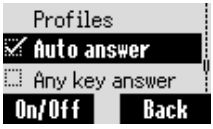
Backlight:

From **My Phone**

1. **Profiles** (Select)
2. required profile (Menu)
3. **Change settings** (Select)
4. **Backlight** (On/Off)

Auto answer

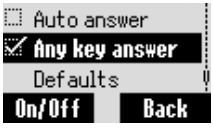
Auto answer can be set. To use this function, the personal hands free earpiece needs to be connected to the phone.



From **My Phone**
Auto answer (On/Off)

Any key answer

Calls can be answered by pressing any key (except).



From **My Phone**
Any key answer (On/Off)

Defaults

All personal settings are returned to their factory default settings.

From **My Phone**

1. **Defaults** (Select)
2. **"Restore factory settings?"** (Yes) or (No)

Games Menu

Games

Hit Mouse 36

Memory 38

Selecting games

From **Games**
Hit Mouse or **Memory** (Select).

NOTE: Once the power is switched off, High scores or Best scores may be lost.

Hit Mouse

When you see the mouse, press any button from 1 to 9 as quickly as possible to hit it. Keep in mind that the cat is not your target.
Example: If you press 5, you will hit the object hidden in the 5th hole. This game will end automatically and you will be given a score. This score might be the highest one! Good luck!

Key operation:
Press 1 ~ 9wxyz.

To start the game:
Select New by pressing (New).

To change settings:

1. (Menu)
2. **Change settings** (Select)
3. required setting (On/Off)

To start the game on a level of your choice:

1. (Menu)
2. **Level** (Select)
3. required level (Select)

To see the top score:

1. (Menu)
2. **Top score** (Select)

To see the instructions:

1. (Menu)
2. **Instructions** (Select)

Memory

Match cards to find pairs with as few tries as you can, and make all cards visible. You can press keys 2, 4, 6, and 8 to move the cursor as you wish, and key 5 to select cards. When all cards are visible, you can get a score or maybe top score. Good luck!

Key operation:
Press 2abc, 4ghi, 5jkl, 6mno, 8tuv.

To start the game:
Select New by pressing (New).

To change settings:
1. (Menu)
2. **Change settings** (Select)
3. required setting (On/Off)

To start the game on a level of your choice:
1. (Menu)
2. **Level** (Select)
3. required level (Select)

To see the top score:
1. (Menu)
2. **Top score** (Select)

To see the instructions:
1. (Menu)
2. **Instructions** (Select)

Contacts Menu

Contacts

Browse
- **SIM** 40
- **Phone** 40

Create
- **SIM** 40
- **Phone** 41

Groups
- **Friends** 44
- **Colleagues** 44
- **Family** 44
- **Others** 44
- **VIP** 44

Memory status 45

My Numbers 45

Hotkey dial 46

My Contacts
- **SIM** 46
- **Phone** 46

Browse

Viewing the Contacts list in your SIM/Phone

You can search for an entry in the Contacts list.

From **Contacts**

1. **Browse** > **SIM** or **Phone** (Select)
2. required contact entry (Menu)
3. **View** (Select)

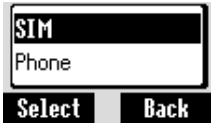
➢ If you press a letter key in step 2, you can jump to the first entry starting with the letter.

Create

Creating a Contacts list in SIM

Phone numbers can be stored in your SIM.
You can store names, phone numbers, locations and record numbers in the SIM.

From **Contacts**



1. **Create** (Select)
2. **SIM** (Select)
3. Enter the name
4. Enter the phone number
5. (Save)
6. "**Saved in SIM**" is displayed

NOTE: The length and amount of data are SIM dependent.

Creating a Contacts list in Phone

You can store names, phone numbers, groups and melodies in your phone.

From **Contacts**

1. **Create** (Select)
2. **Phone** (Select)
3. Enter the name > Phone
4. Enter the phone number > Groups
5. (Set) required group (Select)
6. (Set) required melody (Select)
7. When entries are completed, (Save)
8. "**Saved in Phone**" is displayed.

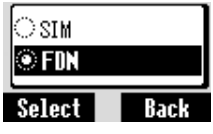
➢ The entries are grouped together and are retained even if you damage your SIM.

Storing a fixed dial number in FDN

The Fixed dial feature allows you to limit your outgoing calls to a certain set of numbers saved in FDN, which is located in your SIM. When this function is on, only the Fixed dial numbers can be dialled, and any attempt to call any other number will fail.

To activate this function, you need to set Fixed Dial on. See page 70.

From **Contacts**



1. **Create** (Select)
2. **SIM** (Select)
3. Enter the name
4. Enter the phone number
5. (Set) **FDN** (Select)
6. (Save)
7. Enter PIN2 code > (OK)
8. "**Saved in SIM**" is displayed.

➢ To store a Fixed dial number, you need to enter your PIN2 code.

Options

Edit:

You can edit the selected Contacts entry.

From **Contacts**

1. **Browse** > **SIM** or **Phone** (Select)
2. required phone number or name (Menu)
3. **Edit** (Select)
4. (Save)

Delete:

You can delete the selected Contacts entry.

From **Contacts**

1. **Browse** > **SIM** or **Phone** (Select)
2. required phone number or name (Menu)
3. **Delete** (Select)
4. "**Delete this contact entry ?**" (Yes) or (No)

Delete all:

You can delete all the Contacts entries.

From **Contacts**

1. **Browse** > **SIM** or **Phone** (Select)
2. required phone number or name (Menu)
3. **Delete all** (Select)
4. "**Delete all entries ?**" (No) or (Yes)

Copy to Phone/SIM:

You can copy the selected Contacts entry to the phone or your SIM.

From **Contacts**

1. **Browse** > **SIM** or **Phone** (Select)
2. required phone number or name (Menu)
3. **Copy to Phone/SIM** (Select)
4. "**Copy entry to Phone/SIM ?**" (Yes) or (No)

Copy all to Phone/SIM:

You can copy all the Contacts entries to the phone or SIM.

From **Contacts**

1. **Browse** > **SIM** or **Phone** (Select)
2. required phone number or name (Menu)
3. **Copy all to Phone/SIM** (Select)
4. "**Copy all entries to Phone/SIM ?**" (Yes) or (No).

Search:

You can search for a name in the Contacts list.

From **Contacts**

1. **Browse** > **SIM** or **Phone** (Select)
2. (Menu)
3. **Search** (Select)
4. Enter the first letter of the required name (Select)

Groups

You can categorise the items stored in your phone into 5 groups: Friends, Colleagues, Family, Others and VIP.
You can select a particular ringtone for each group to identify the incoming call.

From **Contacts**

1. **Groups** (Select)
2. required Group (Menu)

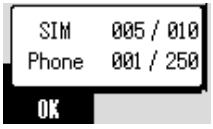
The following options are available:

View	View the Contacts entries in the selected group
Set ringtone	Set the required ringtone
Remove entries	Delete all the Contacts entries in the selected group

If there is no entry stored in the selected group, "**List empty**" is displayed.
The following options are available by pressing (Menu) after you select an entry from the selected group:

View	View the selected Contacts entry
Edit	Edit the selected Contacts entry
Delete	Delete the selected Contacts entry
Search	Search for a desired item in the selected group by entering the name.

Memory status



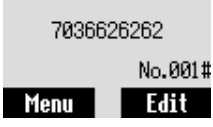
Memory status shows how many locations are available in the Contacts list.
Maximum memory capacity:

- **Phone 250 locations**
- **SIM (SIM dependent)**

From **Contacts**
Memory status (Select)

My Numbers

My Numbers is a handy phonebook where names and phone numbers can be stored and viewed.



From **Contacts**

1. **My Numbers** (Select)
2. required entry (Menu)
3. **Edit** (Select)
4. Enter your phone number
5. Enter your name (Save)

The following options are available by pressing (Menu) after you select the required entry:

View	View the selected My Numbers entry
Edit	Edit the selected My Numbers entry
Delete	Delete the selected My Numbers entry

Hotkey dial

Setting Hotkey dial

You can quickly dial phone numbers stored at locations 001 - 009 in the Contacts list.

From **Contacts**

Hotkey dial (On/Off)

NOTE: This function is SIM dependent.

Making a call by using Hotkey dial

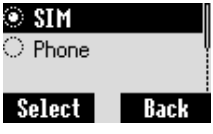
From idle mode

1. Press and hold a numeric key (1 ~ 9wxyz)
2. Press

My Contacts

You can select SIM or Phone so that the Contacts list directly accessed from idle mode is set to the SIM or Phone Contacts list.

From **Contacts**



1. **My Contacts** (Select)
2. **SIM** or **Phone** (Select)

Calendar

New event

You can organise your Calendar to remind you of a personal event, such as a holiday period or birthday.
You need to set the clock, day and time before entering anything in the Calendar.

From **Calendar**

1. ◯ to select Week or Month format
2. To select a day, press numeric keys 2, 8, 4 and 6 to move the cursor ↑, ↓, ← and → respectively, to set the desired day. ◯(Agenda)
3. **<New entry>** ◯(Select)
4. ◯(Set) to select a type of event from **Memo** and **Meeting** ◯(Select)
5. ⊖ to enter Description
6. ⊖ to enter Start date
7. ⊖ to enter Start time
8. ⊖ to enter End date
9. ⊖ to enter End time ◯(Save).

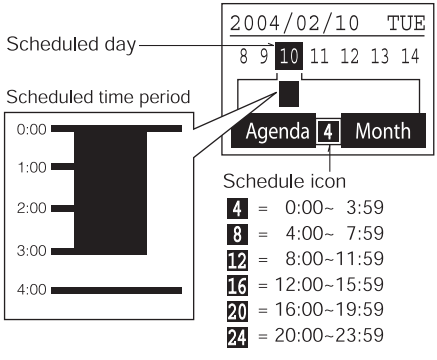
Ensure that Calendar settings will not contravene any regulations by switching on automatically when in an aircraft, medical facility, etc. – (See "Introduction" on page 1.)

View event

From **Calendar**

1. ⊂ to select Week or Month format
2. When Month format is selected:
   Select a day by using the numeric keys (⊖, ⊖, 2, 4, 6 and 8) ⊂(Agenda)
   When Week format is selected:
   Schedule icon(s) will be shown corresponding to a period of time selected by pressing ⊖.
   (Period of time : 4=0:00-3:59, 8=4:00-7:59, 12=8:00-11:59, 16=12:00-15:59, 20=16:00-19:59, 24=20:00-23:59)
   Select a day by using the numeric keys (2,4,6 and 8) ⊂(Agenda)
3. ⊖ required schedule ⊂(View)
4. To return to the previous display, ⊂(OK)
   To edit ⊂(Edit), edit the required information ⊂(Save).

<Example>
Agenda: 2004/02/10 Start 0:00~End 3:00



* Press ⊖ to change the schedule icon into different periods of time.

Key Guard

Key Guard

The Key Guard function is used to prevent any keys from being accidentally pressed, e.g. when the phone is being carried.

From **Key Guard**

(Yes) or (No)

➢ When Key Guard is enabled, appears on the display.

➢ Emergency calls are still possible.

➢ When a call is received, Key Guard will be disabled temporarily, and you can answer the call.

NOTE: When making emergency calls with the "Key Guard" enabled, there will be no visual indication that the number is being dialled.

When appears on the display, (Free) > "**Press ok to free keypad**" (OK) .

Messages Menu

Messages

Create 51

Inbox 54

Outbox 55

Archive
- **Inbox** 56
- **Outbox** 56

User Messages 57

Memory status 57

Settings
- **Message centre** 58
- **Protocol** 58
- **Validity period** 59
- **Delivery report** 59

Cell Broadcast
- **Cell Broadcast** 60
- **Read Messages** 60
- **Topic list** 60
- **Language** 61
- **Auto display** 61

Create

Message centre

It is possible to receive, display, edit and/or send text messages of up to 1520 characters in 10 messages (depending on the language), to the network that has a roaming agreement (depending on the recipient's phone options). Before sending a message, you need to enter the Message centre number into Settings.

From **Messages**

1. **Settings** > **Message centre** (Select)
2. Enter the message centre number in the international dial format (see "International dialling" on page 17) (OK)

NOTE: Your network operator may have pre-programmed this number. Do not change this number as it may cause the failure of SMS Messaging.

Creating a message

From **Messages**

1. **Create** (Select)
2. Create your text message – max. 1520 characters (see "Text entry" on page 23) (Menu)
3. **Send** (Select)
4. Enter the destination phone number (OK)
   OR
   Recall a number from **Contacts** (Names) > required name (Select) > (OK)

When you create a text, these options are available by pressing (Menu):

Send	Send text as a Short Text message
Save	Save text in the Outbox in your SIM
Save and send	Save text in the Outbox in your SIM and send it
Picture & sound	Add a picture and/or sound to the text. See page 53.
User Messages	Use a short message stored in the phone For editing the User Message, see "User Messages" on page 57.

➢ You can change T9® mode On/Off pressing (#*).

EMS (Enhanced Message Service)

You can add a picture and sound to an SMS.

Picture:

From **Messages**

1. **Create** (Select)
2. Create your text message (Menu)
3. **Picture & sound** (Select)
4. required picture (Select)

Sound:

From **Messages**

1. **Create** (Select)
2. Create your text message (Menu)
3. **Picture & sound** (Select)
4. (Sound)
5. required sound (Select)

Inbox

Viewing a received message

When a Short Text Message is received, the message indicator will flash on the display and a user preset audible alert will sound. If you are on a call you will be alerted by the vibrator.

✉ flashes when an unread message is received in the Inbox. When the Inbox is full, ✉ will remain until old messages are deleted.

From **Messages**

1. **Inbox** (Select)
2. required message (Menu)
3. **View** (Select)

NOTE: If the message indicator is displayed constantly (does not flash), this means that the message area is full, and you need to delete old messages in order to receive new messages.

When reading messages, the following options are available by (Menu):

Delete	Delete a message
Reply	Create an SMS reply
Forward	Forward a message to another phone
Edit	Edit a message and save and/or send it to somebody else
Delete all	Delete all messages in Inbox
Extract Number	Extract numbers in messages and save in Contacts
Move to Archive	Move a message to Archive Inbox

Outbox

Viewing a sent message

A list of sent message is stored in your SIM. You can select a message from the list and view it.

From **Messages**

1. **Outbox** (Select)
2. required message (Menu)
3. **View** (Select)

While you are reading a message, the following options are available by pressing (Menu):

Delete	Delete a message
Edit	Edit a message and save and/or send it to somebody else
Send	Send an SMS message after entering a recipient number
Delete all	Delete all messages in Outbox
Extract Number	Extract numbers in messages and save in Contacts
Move to Archive	Move a message to Archive Outbox

Archive

Viewing a stored message

To view the list of messages which are stored in Archive.

- Inbox: When a message saved in the Inbox is moved into Archive, the message will be saved in the Archive Inbox.
- Outbox: When a message saved in the Outbox is moved into Archive, the message will be saved in the Archive Outbox.

From **Messages**

1. **Archive** (Select)
2. **Inbox** or **Outbox** (Select)
3. required message (Menu)
4. **View** (Select)

When reading a message, the following options are available by (Menu):

Send (Outbox)	Send a message to another phone
Edit	Edit a message and save and/or send it to somebody else
Delete	Delete a message
Forward (Inbox)	Forward a message to another phone
Delete all	Delete all messages in Archive Inbox/ Outbox

User Messages

You can edit the preset User Messages, then save them for later use

From **Messages**

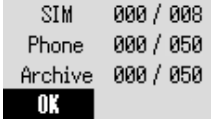
1. **User Messages** (Select)
2. required message (Select)
3. Edit the message (Menu)
4. **Save and send** or **Save** (Select)

NOTE: If the text is wider than the screen display, the text will scroll.

Memory status

Memory status shows how many locations are left to store messages in the Inbox.

From **Messages**



Memory status (Select)

The maximum memory capacity:

- **SIM (SIM dependent – max. 100 locations)**
- **Phone 50 locations**
- **Archive 50 locations**

Settings

Message centre

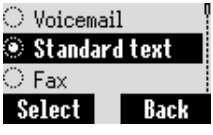
Before sending any messages, you need to enter your Message centre number. This number is provided by your service provider.

From **Messages**

1. **Settings** (Select)
2. **Message centre** (Select)
3. Enter your Message centre number

Protocol

The Message centre is able to convert your message to the format specified by the selected protocol.



From **Messages**

1. **Settings** (Select)
2. **Protocol** (Set)
3. Select required setting from **Standard text**, **Fax**, **X.400**, **Paging**, **E-mail**, **ERMES**, or **Voicemail** (Select)

Validity period

You can set the duration that your message is stored at the Message centre.

From **Messages**

1. **Settings** (Select)
2. **Validity period** (Set)
3. Select required setting from **Maximum**, **1 Hour**, **12 Hours**, **1 Day**, or **1 Week** (Select)

Delivery report

You can request a delivery report regarding the status of a sent message.

From **Messages**

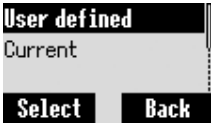
1. **Settings** (Select)
2. **Delivery report** (On/Off)

Cell Broadcast

Topic list

You can receive your favourite information regularly from your service provider.
You need to specify the "topic(s)" of information and the language in which you wish to receive this information.
To receive the broadcasts, "Cell Broadcast" must be on.

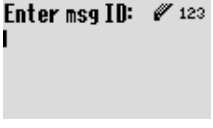
From **Messages**



1. **Cell Broadcast** > **Topic list** > **Current**> (Select)
2. required topic (Menu)
3. **Add** or **Delete** (Select)

User defined topic

From **Messages**



1. **Cell Broadcast** > **Topic list**> **User defined** > **<New entry>** (Select)
2. Enter msg ID (OK)
3. Enter the name (OK)
4. **Current** (Select)
5. **< Add topic >** (Select)
6. required Topic (Select)

Reading a message

From **Messages**

1. **Cell Broadcast** (Select)
2. **Read Messages** (Select)
3. (Next) or (Back) to select the required topic

NOTE: This function will depend on your network service operator.

Language

You can set the language of the message you receive.

From **Messages**

1. **Cell Broadcast** (Select)
2. **Language** (Select)
3. required language above which you wish to insert a new language
4. **Insert** (Select)
5. required language (Select)

➢ The added language is displayed above the language you selected in step 3.

➢ If you wish to add a new language to the end of the list, select “Add to end” in step 4.

➢ To remove a language, select “Delete” in step 4.

Auto display

In idle mode, the latest Info Message is displayed on your phone automatically.

From **Messages**

1. **Cell Broadcast** (Select)
2. **Auto display** (On/Off)

Phone Menu

Phone Menu (or STK)*

Call Service

Time/Charge 63
Call waiting 63
Withhold ID 64
Caller's ID 64
Charge settings 65

Call Diverts

All voice calls 67
Not reachable 67
No reply 67
Busy 67
Status check 67
Cancell all 67

Security

Call bar 68
Codes 69
Fixed dial 70
SIM lock 71

Network

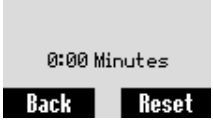
Auto network 71
New network 71
Network list 71
Band 71

*STK (SIM Tool Kit) is SIM dependent.

NOTE: If SIM card provides SIM Tool Kit services (STK), this menu will become the STK Menu. You can still access Phone Menu from Application.

Call Service

Viewing time/charges



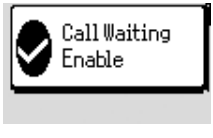
From **Phone Menu**

1. **Call Service** > **Time/Charges** (Select)
2. **Last call**, **All voice calls** or **Cost left** (Select)

Last call	Display the duration of last call
All voice calls	Display the total duration for all voice calls
Cost left	If Max cost is on, display the remaining units. For setting the Max cost, see page 66.

Call waiting

If Call waiting is switched on, a second call can be received. Turn this function on before making a multiparty (conference) call.



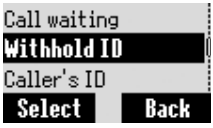
From **Phone Menu**

1. **Call Service** > **Call waiting** (Select)
2. **Set**, **Clear** or **Check status** (Select)

Withhold ID

Withhold ID allows you to prevent showing your name and/or number to the calling party.

From **Phone Menu**



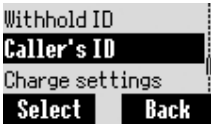
1. **Call Service** (Select)
2. **Withhold ID** (Select)

NOTE: When checking the status, the phone must be registered to a network.

Caller's ID

Caller's ID allows you to display the Caller's name and/or number on your display.

From **Phone Menu**



1. **Call Service** (Select)
2. **Caller's ID** (Select)

NOTE: When checking the status, the phone must be registered to a network.

Charge settings

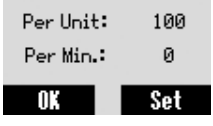
NOTE: The duration of one unit may vary between peak and off-peak times. Call charges can be calculated accordingly. However, the actual tariffs charged by your service provider may not be reflected in the calculation.

Currency:
Firstly, Personal rate must be entered. This is the cost that the service provider charges for one unit of call time. See "Personal rate:" on page 65.

From **Phone Menu**
1. **Call Service** > **Charge settings** (Select)
2. **Currency** (Select)
   ➢ Current setting is displayed
3. (Set) > Enter PIN2 code (OK)
4. Enter currency units (max.3 characters) (OK)

NOTE: This function is SIM dependent.

Personal rate:

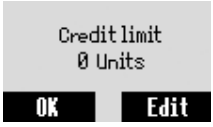


From **Phone Menu**
1. **Call Service** > **Charge settings** > **Personal rate** (Select)
2. (Set)
3. Enter PIN2 code (OK)
4. Enter your personal rate (OK)

NOTE: When you set the unit price, you are asked to enter your PIN2.

NOTE: This function is SIM dependent.

Maximum cost:
You can set the maximum cost of calls allowed.



From **Phone Menu**

1. **Call Service** > **Charge settings** (Select)
2. **Max cost** (Set)
   ➢ Current setting is displayed.
3. (Edit) > Enter PIN2 code (OK)
4. (Set) > **On** (Select)
5. Enter Credit limit > (OK)

NOTE: This function is SIM dependent.

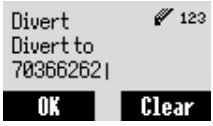
Auto display:

In idle mode, the cost of the latest Incoming call is displayed on your phone automatically.

From **Phone Menu**

1. **Call Service** > **Charge settings** (Select)
2. **Auto display** (On/Off)

Call Diverts



From **Phone Menu**

1. **Call Diverts** (Select)
2. Select the circumstances to initiate the divert (Select)
3. **Set**, **Clear**, or **Check status** (Select)
4. Enter the phone number to divert to

➢ Enter the voice mail centre number if you wish incoming voice calls to be diverted to the voice mail centre.

➢ When a divert situation is enabled, the divert icon (↳) is displayed.

➢ When updating or checking the status of Call Divert, the phone must be registered to a network. (T)

All voice calls	Divert all incoming voice calls
Not reachable	When you are not in a coverage area, divert incoming voice calls
No reply	If you do not answer the phone, divert incoming voice calls
Busy	When a call is in progress, divert incoming voice calls
Status check	Check the current Call Diverts status
Cancel all	Cancel all Call Diverts settings

➢ Voice calls can be diverted to voicemail box or to a number that you specify.

Security

Call bar

Call barring restricts certain outgoing and/or incoming calls using a password supplied by your service provider. When updating/checking the status of Call bar, the phone must be registered to a network.

From **Phone Menu**

1. **Security** > **Call bar** (Select)
2. required setting from the table shown below (Set) or (Select)
3. required operation from **Set**, **Clear** or **Check status** (Select)
4. Enter required password (Select)

All outgoing	All outgoing calls are barred
Outgo int'l	International outgoing calls are barred
Out. int'l x home	International outgoing calls except to your home country are barred
All incoming	All incoming calls are barred
When roaming	All international incoming calls when roaming outside the home PLMN are barred
Status check	Call bar status is displayed
Cancel all	Cancel all Call bar settings
Password	Change Call bar password

Codes

Change phonecode:

The Phonecode is used for the SIM lock, which protects the phone from being used with a SIM other than yours.

From **Phone Menu**

1. **Security** > **Codes** (Select)
2. **Change phonecode** (Select)
3. Enter a new phonecode (OK)
4. Enter the new phonecode to verify (OK)

PIN control:

The PIN protects your SIM against unauthorised use. If you enable the PIN, every time the phone is switched on you will be prompted to enter the PIN.

From **Phone Menu**

1. **Security** > **Codes** (Select)
2. **PIN Control** (Set)
3. Enter PIN number (OK)
4. Set to either enable or disable the PIN (Set).
5. (OK)

Changing PIN/PIN2:

From **Phone Menu**

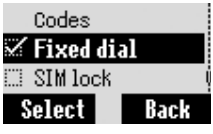
1. **Security** > **Codes** (Select)
2. **Change PIN** or **Change PIN2** (Select)
3. Enter the current code (OK)
4. Enter the new code (OK)
5. Enter the new code to verify (OK)

NOTE: To enter the PUK code for your PIN, enter **05#. You will then be prompted to enter the PUK code. Follow the on-screen instructions. To enter the PUK2 code for PIN2, enter **052#. You will then be prompted to enter the PUK2 code. Follow the on-screen instructions. If the PUK/PUK2 code is entered incorrectly 10 times, the phone will cease to operate permanently. All information stored in the SIM will be lost and the SIM will need to be replaced. Contact the service provider for more details.

Fixed dial

The Fixed dial feature allows you to limit your outgoing calls to a certain set of numbers saved in FDN, which is located in your SIM. When this function is on, only the Fixed dial numbers can be dialled, and any attempt to call any other number will fail.

From **Phone Menu**



1. **Security** (Select)
2. **Fixed dial** (Select)
3. Enter PIN2 code (OK)
4. (Set)
5. (OK)

➢ When Fixed dial is on, any manually dialled phone numbers must be the same as the numbers in the Fixed Dial Store, otherwise the call cannot be made.

➢ A phone number may be stored, edited or deleted. You will be prompted for your PIN2 code.

SIM lock

Once you enable the SIM lock, you will be prompted to enter your phonecode when you switch on the phone with a different SIM inserted.

From **Phone Menu**

1. **Security** (Select)
2. **SIM lock** (Select)
3. Enter phonecode (OK)
4. (Set) to set the SIM lock on/off
5. (OK)

NOTE: You are advised to write down your Phonecode. In case you forget your phonecode, you will need to contact your service provider to unlock the SIM.

Network

Setting:

You can select a network that is available in your current location.

From **Phone Menu**

1. **Network** (Select)
2. Select one of the settings below (On/Off) or (Select)

Auto network	Set Auto network on or off.
New network	When Auto Network is on, search an available network automatically. When Auto network is off, you must select a network manually.
Network list	Create and edit a network list according to your preferences.
Band	Choose a network band: 900/1800, 900/ 1900, 900, 1800, 1900 MHz.

NOTE: This function is SIM dependent.

Application Menu

Application

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Alarm 74
Power off time 75

Calculator 75

Currency 76

Melody composer 77

(Phone Menu) 78

Clock

Settings

Time zone:

From **Application**

1. **Clock** > **Settings** > **Time zone** (Select)
2. required region (Select)
3. **"Daylight saving?"** (Yes) or (No)
4. **"Set this zone to local"** (OK)
5. **"Success!"** (OK)

Time & date:

From **Application**

1. **Clock** > **Settings** > **Time & date** (Select)
2. (Set) to enter the date and the time (OK)

Date format:

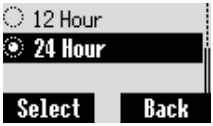
You can select the desired display format for the time and date.

From **Application**

1. **Clock** > **Settings** > **Date format** (Set)
2. required format (Select)

Time format:

From **Application**



1. **Clock** > **Settings** > **Time format** (Set)
2. required format (Select)

Display time:

You can show the time and date on the display in idle mode.

From **Application**

1. **Clock** > **Settings** (Select)
2. **Display time** (On/Off)

Alarm

From **Application**

1. **Clock** > **Alarm** (Set)
2. (Set) > Enter the time (24 hour clock) (OK)
3. **Repeat daily**, **Once** or **Disabled** (Select)
4. "**Alarm time has been updated!**" (OK)

➢ The alarm set indicator appears on the idle display.

➢ When the set time is reached, the alarm will sound.
If you are on a call, the phone will vibrate without sound.

To stop the alarm:

Press any key or (Off)

OR

(Pause) to pause the alarm and start again after 5 minutes

NOTE: Even if the phone is switched off, when the Alarm is set on, the phone will switch on automatically and start the alarm.

Power off time

The phone can be set to turn itself off automatically at a specified time using the Power off feature.

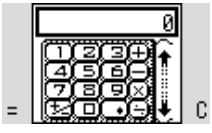
From **Application**

1. **Clock** > **Power off time** (Set)
2. Enter the time (24 hour clock) (OK)
3. **Repeat daily**, **Once** or **Disabled** (Select)
4. **"Power off time setting updated!"** (OK)

Calculator

You can use the 4 function calculator (addition, subtraction, multiplication and division) to make simple arithmetic calculations.

From **Application**



1. **Calculator** (Select)
2. Enter a number (max. 9 digits). It will be displayed on the upper right of the display. If a decimal point is required, press #, when a minus sign is needed press *.
3. to select the arithmetic operation
4. Enter a number (max. 9 digits). It will be displayed next to the operation symbol.
   If is used to select another arithmetical operation to perform, an intermediate calculation will be performed and the result will be displayed.
5. (=) to calculate

Currency

Rate setting

The currency convertor enables you to convert from/to a home currency using a conversion rate that you enter. Before beginning conversions, choose a base currency and enter the conversion rate. The base currency rate is set to 1.

From **Application**

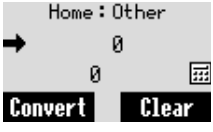
1. **Currency** (Select)
2. **Rate setting** (Select)
3. Enter the conversion rate next to the pencil icon (OK)
4. (Save)

➢ You can change the base currency by pressing .

➢ If a decimal point is required, press

Rate computing

From **Application**



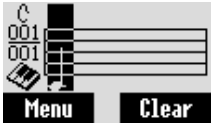
1. **Currency** (Select)
2. **Rate computing** (Select)
3. Enter the amount of your currency to convert into the other currency (Convert)

➢ You can change the base currency by pressing .

➢ If a decimal point is required, press

Melody composer

Composing a melody



From **Application**

1. **Melody composer** (Select)
2. required My Music (Select)
3. **Melody edit** (Select)
4. required track (Select)
5. Compose your melody - See the notes chart below (Menu)
6. **Save** (Select)

Using the following table as a reference, enter notes (from the choice of low, middle and high), rests, and duration of each, to generate your composition. Main Track and Sub Tracks are played together when you play the composed music.

Key	1	2 abc	3 def	4 ghi	5 jkl	6 mno
Func	**C**	**D**	**E**	**F**	**G**	**A**

Key	7 pqrs	8 tuv	9 wxyz	0 +	*	#
Func	**B**	Rep.	Dotted note	Rest	Duration	Low, Low #, Middle, Middle #, High, High #

Play

To play the composed melody before saving:
(Menu) > **Play** (Select)

Tempo

Before you save the composed melody, you can change the tempo, and/or the instrument to play the melody.
To arrange the tempo of the composed melody:

1. (Menu) > **Tempo** (Select)
2. required tempo (Select)

Select instrument

You can select the instrument to play the composed melody:
(Menu) > **Select instrument** (Select)

Phone menu

This menu is available under the Application Menu if your SIM card provides STK services.
To use this menu, see "Phone Menu" on page 62.

Records Menu

Records

Last dialled 79

Answered 79

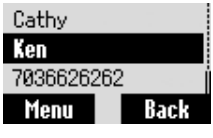
Unanswered 79

Delete all 80

Last dialled/Answered/Unanswered number

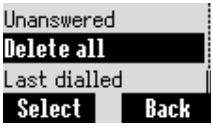
Recently dialled phone numbers will be stored in Last dialled. (max. 50)
If an incoming call with Caller's ID is answered, the number will be stored in Answered (max. 50).
If an incoming call with Caller's ID is not answered, the number will be stored in Unanswered (max 20).

From **Records**



1. Choose one menu from **Last dialled**, **Answered** or **Unanswered** (Select)
   OR
   In idle mode, to view the last dialled numbers directly
2. required phone number (or name) you wish to redial

Delete all



From **Records**

1. **Delete all** (Select)
2. **"Delete all calls?"** (No) or (Yes)

Troubleshooting

Should any problem persist, contact your dealer.

Problem	Cause	Remedy
Phone will not switch on.		Check that the battery is fully charged and correctly connected to the phone.
Extremely short battery life for a new battery.	The network you are using and the condition of the battery can affect battery life.	
Short battery life for an old battery.	The battery has worn out.	Replace with a new fully charged battery.
The charging indicator does not light, the battery level indicator does not appear and the phone cannot be switched on when charging.	The battery is not attached to the phone, or when the battery has been deeply discharged, the phone will take a short time until the indicator lights.	Leave the phone charging the battery for a few minutes before the indicator lights and your attempt to switch the phone on.
Battery fails to charge.	The battery is not attached to the phone.	Ensure the battery is fitted to the phone prior to commencing charging.
	Battery was connected to the phone after the Fast Travel Charger was switched on.	
	[⚡] indicates abnormal charging. Battery is defective or of the wrong type.	Replace with a new battery.
	Battery temperature exceeds the charging temperature range (too hot or too cold).	Use the battery at room temperature.

Problem	Cause	Remedy
Calls cannot be made.	The phone is locked.	Unlock the phone.
	Outgoing calls are barred.	Disable outgoing call barring or barred dialling.
	The phone is not registered to a network.	Move to a coverage area and operate your phone after it has registered with a network.
Calls cannot be made from Fixed Dial Store.		Check whether your SIM supports Fixed dial. Check if Fixed dial is switched on. Check whether the phone number is stored in Fixed Dial.
Calls cannot be received.	The phone is not switched on.	Switch the phone on.
	Incoming calls are barred.	Disable incoming call barring.
	The phone is not registered to a network.	Move to a coverage area and operate your phone after it has registered with a network.
Emergency calls cannot be made.	You are not in a GSM coverage area.	Check that the antenna symbol (T) is displayed – move to a coverage area and operate your phone when the antenna symbol is displayed.
Phone numbers cannot be recalled from Contacts list.	The phone is locked.	Unlock the phone.
	Phone number has been restricted.	Switch off restriction.

Important Error Messages

These are some of the most important error messages which may be displayed:

New codes not same	When you change your password, you must enter the new password twice to confirm. The two codes you entered are not the same. Enter the same code twice.
Password invalid!	The password that you entered is not valid. Enter the correct password.
New PIN not accepted	Your new PIN code was not accepted. Please try again.
New PIN2 not accepted	Your new PIN2 code was not accepted. Please try again.
Incorrect entry!	You entered your PIN or PIN2 code incorrectly. Enter the correctly.
Entries do not match!	When you change your password, you must enter the new password twice to confirm. The two codes you entered are not the same. Enter the same code twice.
Invalid password	The reply message from network when you activate call barring with the incorrect password. Enter the correct password.
Service not supported	The function you selected is not supported by your service provider. Please contact your service provider.
Insufficient space! Continue?	The SIM storage area is full. If you continue, data may be lost. Please delete old records.
Not enough space! Continue?	The message storage area is full. If you continue, data may be lost. Please delete old records.
Failure to authorize	Your SIM card is not registered with your service provider. Please contact your service provider.
Blocked	Your SIM card is blocked. Please contact your service provider.

Glossary of Terms

DTMF	Dual Tone Multi-Frequency tones allow you to communicate with computerised phone systems, voice mailboxes, etc.
FDN	Fixed Dial Number. Used to restrict outgoing calls to a certain set of numbers.
GSM	Global System for Mobile communications. The name given to the advanced digital technology that your phone uses.
Network Operator	The organisation responsible for operating a GSM network.
Password	Used for the control of Call Bar.
PIN	Personal Identification Number used for SIM security. Supplied by your service provider. If the PIN is entered incorrectly 3 times, the PIN will be blocked.
PIN2	Personal Identification Number used for the control of Fixed Dial Store and Call Charge metering. Supplied by your service provider. If the PIN2 is entered incorrectly 3 times, the PIN2 will be blocked.
PLMN	Public Land Mobile Network. A network that provides land mobile telecommunications services.
PUK/PUK2	PIN/PIN2 Unblocking Key. Used to unblock the PIN/PIN2 code. Supplied by your service provider. If the PUK/PUK2 is entered incorrectly 10 times, the PUK/PUK2 will be blocked.
Registration	The act of logging on to a GSM/GPRS network. This is usually performed automatically by your phone.
Roaming	The ability to use your phone on networks other than your home network.
Service Provider	The organisation responsible for providing access to the GSM/GPRS network.
SIM	Subscriber Identity Module. A small smart-card which stores unique subscriber and user-entered information such as Contacts entries and short messages. Supplied by your service provider.
SMS	Short Message Service. A basic mail system used for cellular phones. This service allows sending/receiving of short text messages.

Specifications

Bands Supported	GSM 900 Class 4 GSM1800 Class 1 GSM1900 Class 1
Standby Time*	90 to 300 hours
Talk Time*	3 to 12 hours
Temperature Range	
Charging	+5°C ~ +35°C
Storage	-20°C ~ +60°C
Weight	66 g (including battery)
Dimensions	
Height	77 mm
Width	44 mm
Depth	17.8 mm
Supply Voltage	3.7 V (780 mAh Li-ion)
Antenna	Fixed
Charge Time**	Up to 150 min
SIM Type	3 V only
Contacts Memory	250 entries + SIM
Animation Themes	2
User Composed Melodies	5
Games	2
Backlight Colour	Blue
Ring Tones	Preset: 15 (Varies depending on Data Folder)
Scheduler	Up to 50 entries
Alarm	1
Maximum Graphics Size	Main: W112 x H64 pixels (monochrome)

NOTE: Specifications are subject to change without notice.

*Talk and Standby times depend on network conditions, SIM usage and battery condition.

**Charging time depends on usage and condition.

NOTE: The PIN2 and PUK2 codes are supplied by your service provider.

Licensing

CP8 Patent

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